

Assay Class: Red to Blue
Data Path: C:\... bioanalyzer\2100 expert\data\2010-10-07\Orange_10-7-10.xad

Created: 10/7/2010 3:42:33 PM
Modified: 10/7/2010 4:10:37 PM

Flow Cytometry Run Summary

Assay: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\cells\Red_to_Blue Series II.xsy

Assay Type: Cellular Version: 2.1

Assay Class: Red to Blue

Comments Red to Blue
This assay is for applications that apply a red reference dye and analyze blue fluorescent cells within a red population

Acquisition Mode: Default Samples Run: 6

User Name:

Company

Instrument: Instrument Name: DE72905360 Firmware: C.01.069
Serial #: DE72905360 Type: G2938C

Chip Comments:

Sample Name	Sample Blue Comment	Blue Staining	Red Staining	Status	Total Events	% of Gated	Observation
Mock				✓	969	1.2	
Delta5				✓	909	1.1	
Delta3				✓	1217	1.4	
Delta5 plus cut delta3				✓	1268	3.1	
double concentration of delta5 plus cut delta 3				✓	1325	3.3	
EGFP				✓	995	37.4	

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Flow Cytometry Assay Details

Data Acquisition Parameters

Number of Available Sample Wells (Max.) : 6
Measurement Mode : Default

Graph Settings

Histogram Settings :

Blue :

Minimum : 0.01
Maximum : 10000
Scale : log

Red :

Minimum : 0.01
Maximum : 10000
Scale : log

Dot Plot Settings :

Blue :

Minimum : 0.01
Maximum : 10000

Red :

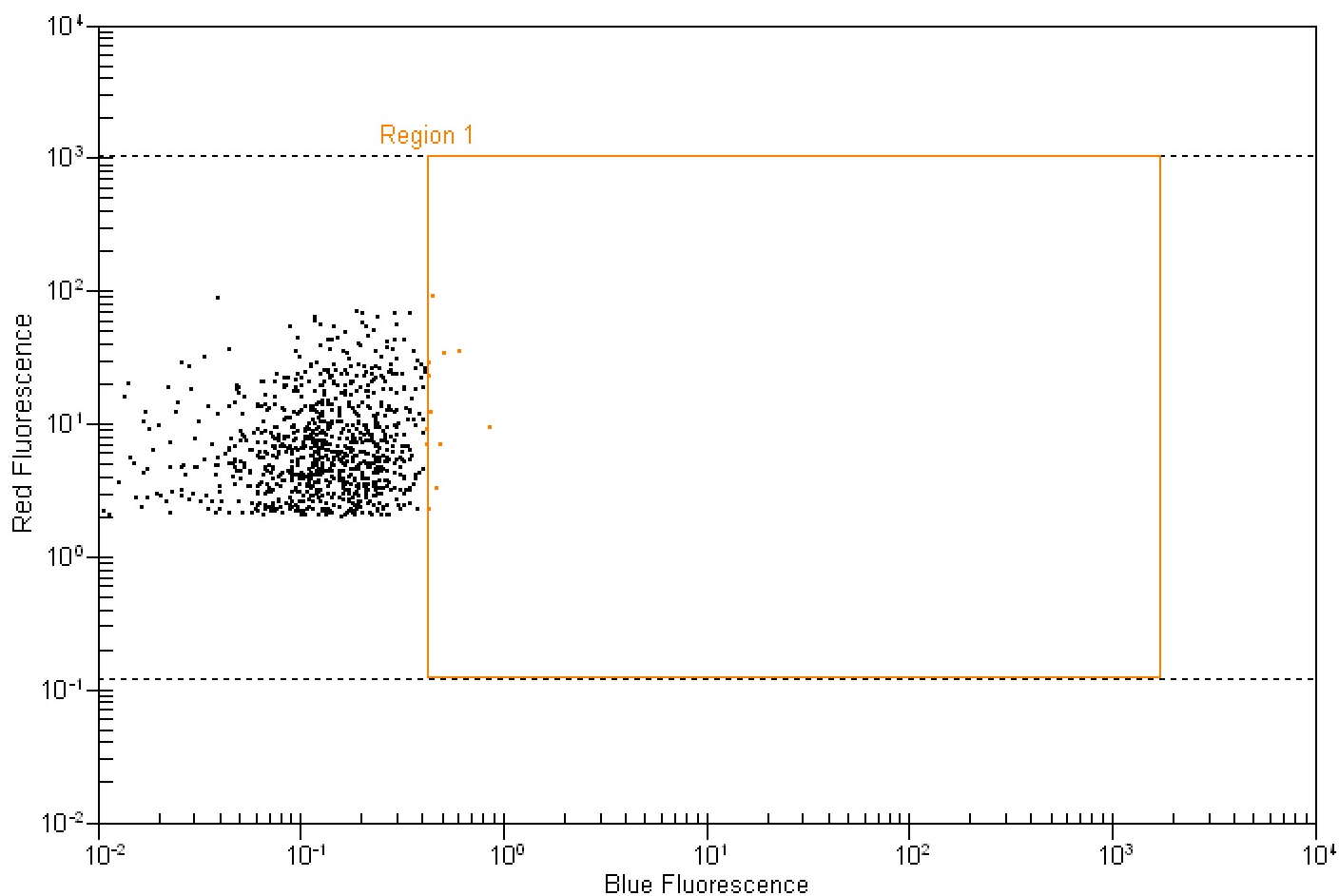
Minimum : 0.01
Maximum : 10000

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Dot Plot Summary

Mock



Dot plot statistics for sample 1 :

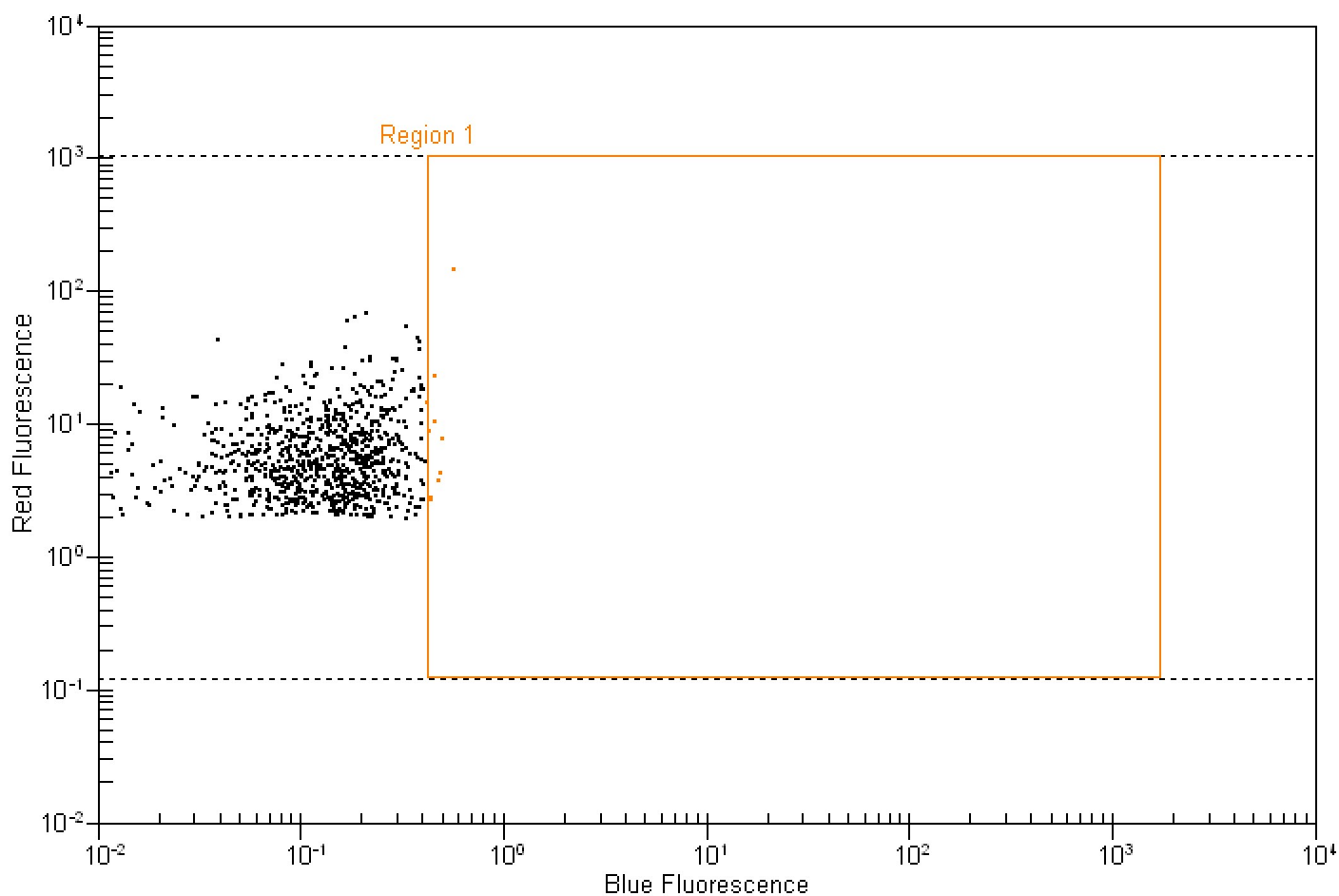
<u>Mock</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.15	9.63	969	100.00	N/A	0.10	10.64	65.11	110.50	0.11	6.68
Region 1	0.50	21.90	12	1.20	1.20	0.12	23.87	23.98	108.96	0.49	13.18

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Dot Plot Summary Continued ...

Delta5

**Dot plot statistics for sample 2 :**

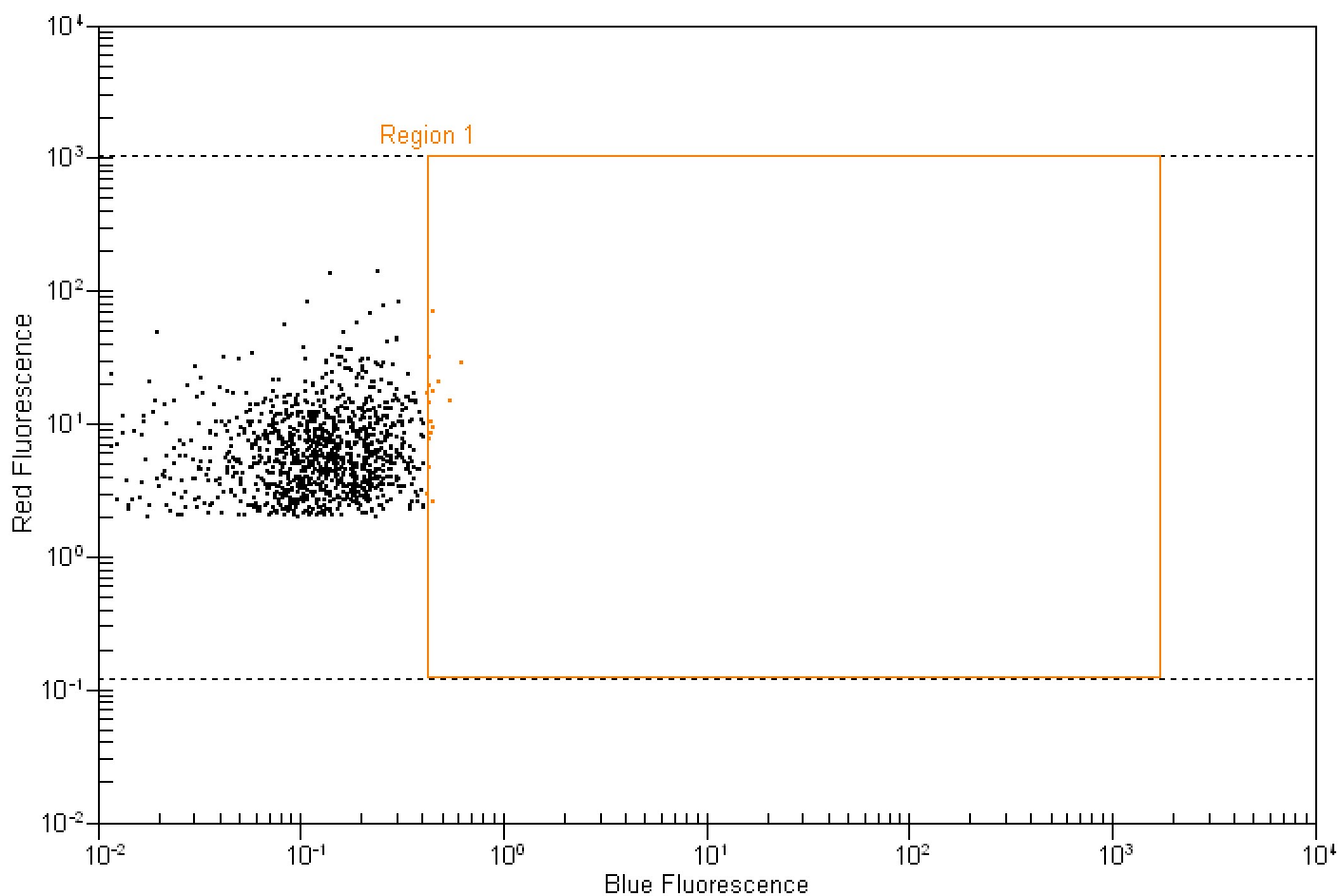
<u>Delta5</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.14	7.36	909	100.00	N/A	0.10	8.32	68.01	113.18	0.11	5.57
Region 1	0.47	22.42	10	1.10	1.10	0.04	41.81	8.88	186.50	0.47	9.13

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Dot Plot Summary Continued ...

Delta3



Dot plot statistics for sample 3 :

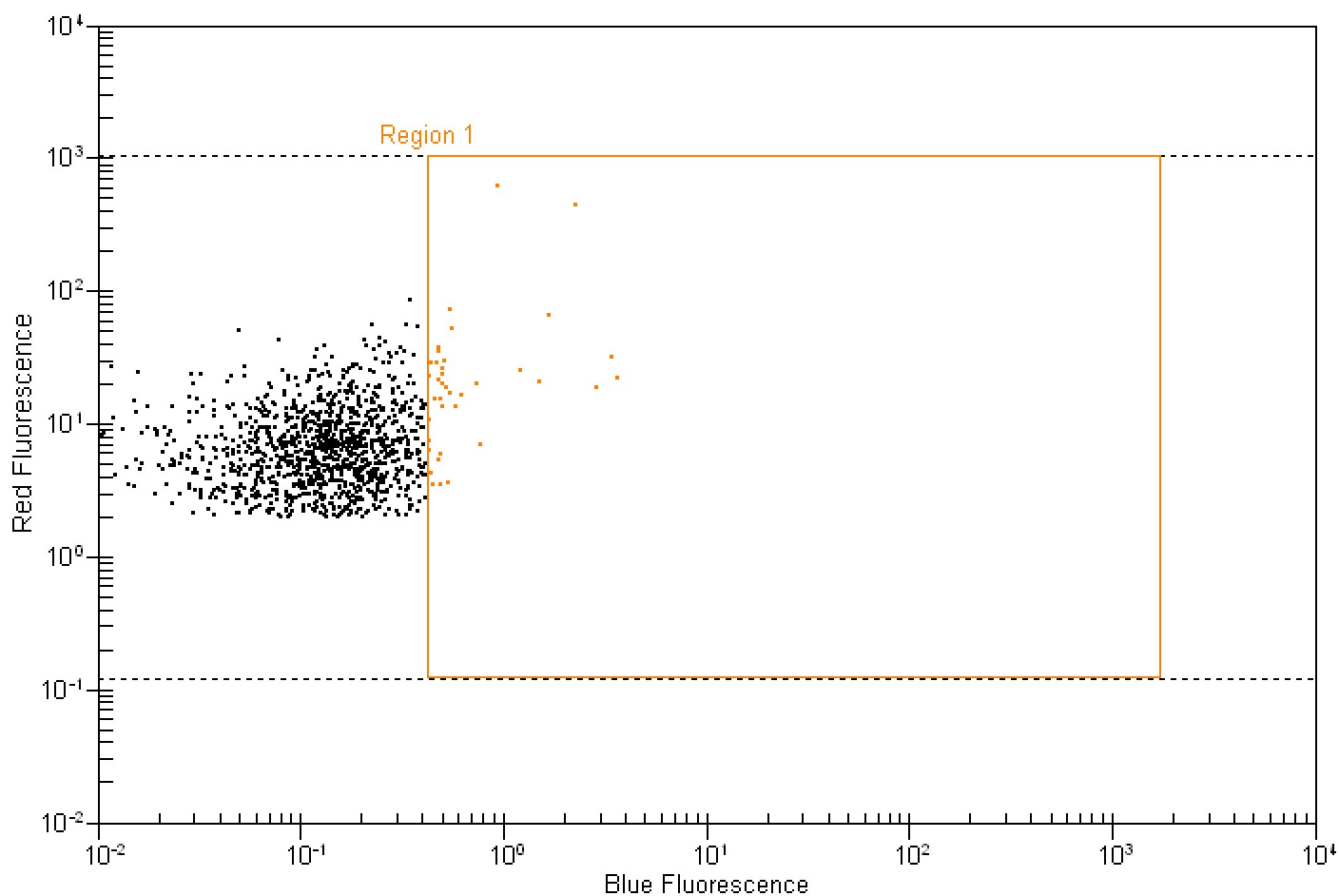
<u>Delta3</u>											
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.14	8.20	1,217	100.00	N/A	0.10	9.55	67.45	116.53	0.10	6.08
Region 1	0.46	16.68	17	1.40	1.40	0.05	15.82	11.32	94.82	0.45	11.50

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Dot Plot Summary Continued ...

Delta5 plus cut delta3



Dot plot statistics for sample 4 :

Delta5 plus cut delta3

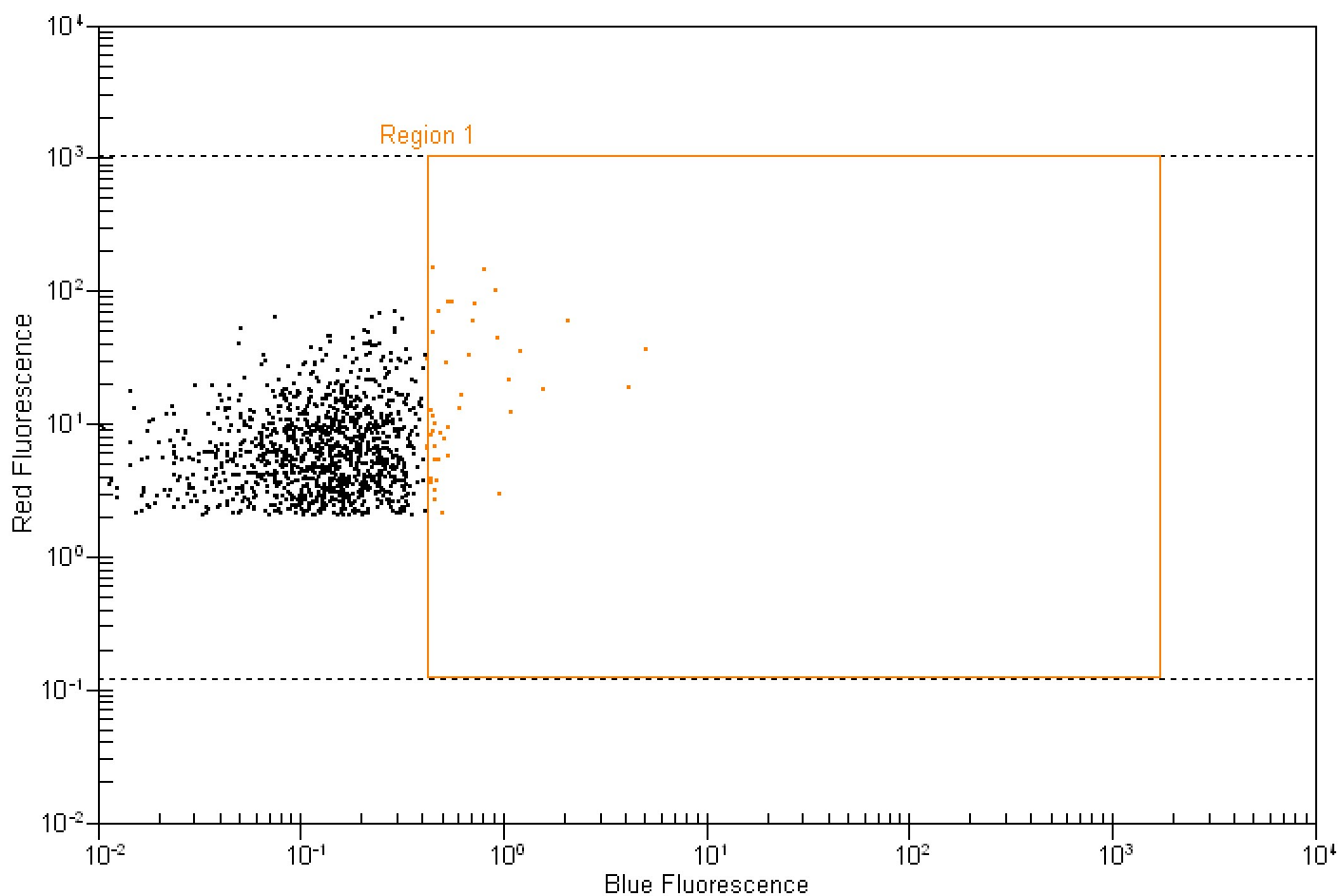
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.16	9.39	1,268	100.00	N/A	0.21	22.56	128.59	240.36	0.11	6.61
Region 1	0.86	47.91	39	3.10	3.10	0.82	115.85	95.20	241.84	0.67	19.58

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Dot Plot Summary Continued ...

double concentration of delta5 plus cut delta 3

**Dot plot statistics for sample 5 :****double concentration of delta5 plus cut delta 3**

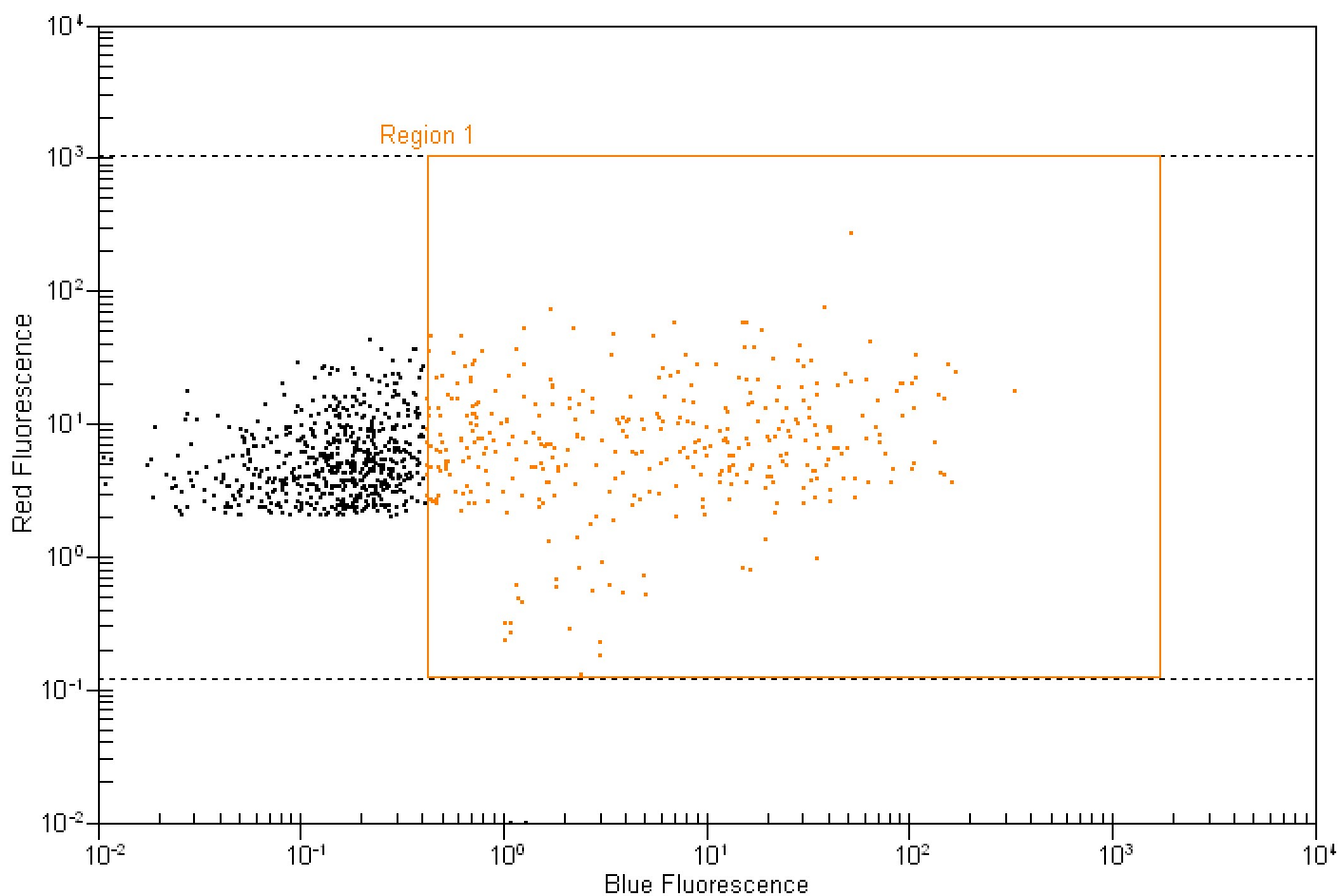
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	0.16	8.95	1,325	100.00	N/A	0.23	11.02	137.75	123.19	0.11	6.36
Region 1	0.83	30.16	44	3.30	3.30	0.91	36.20	108.65	120.02	0.65	15.58

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Dot Plot Summary Continued ...

EGFP



Dot plot statistics for sample 6 :

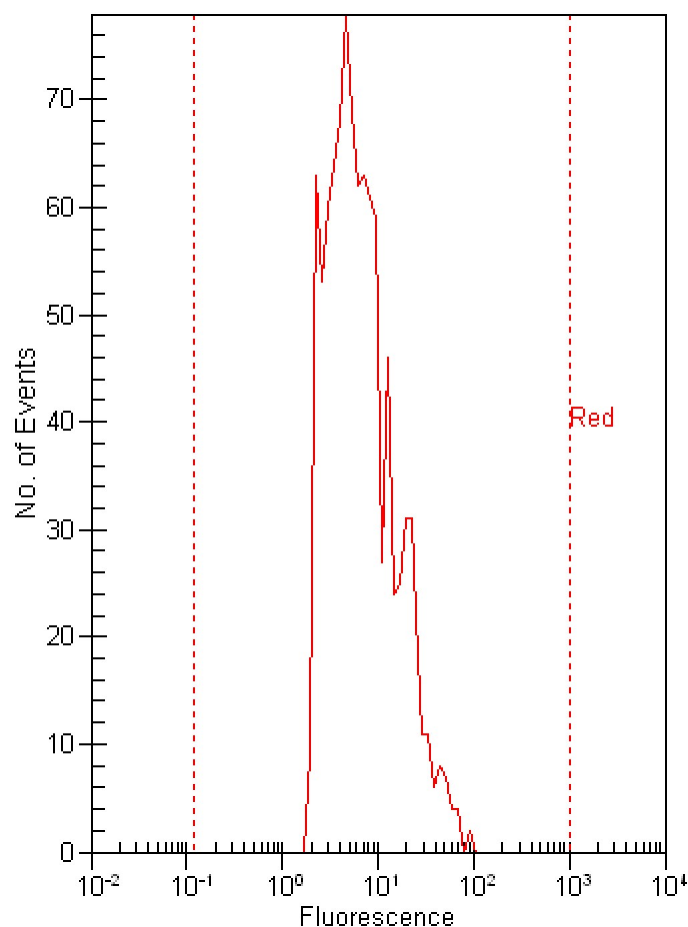
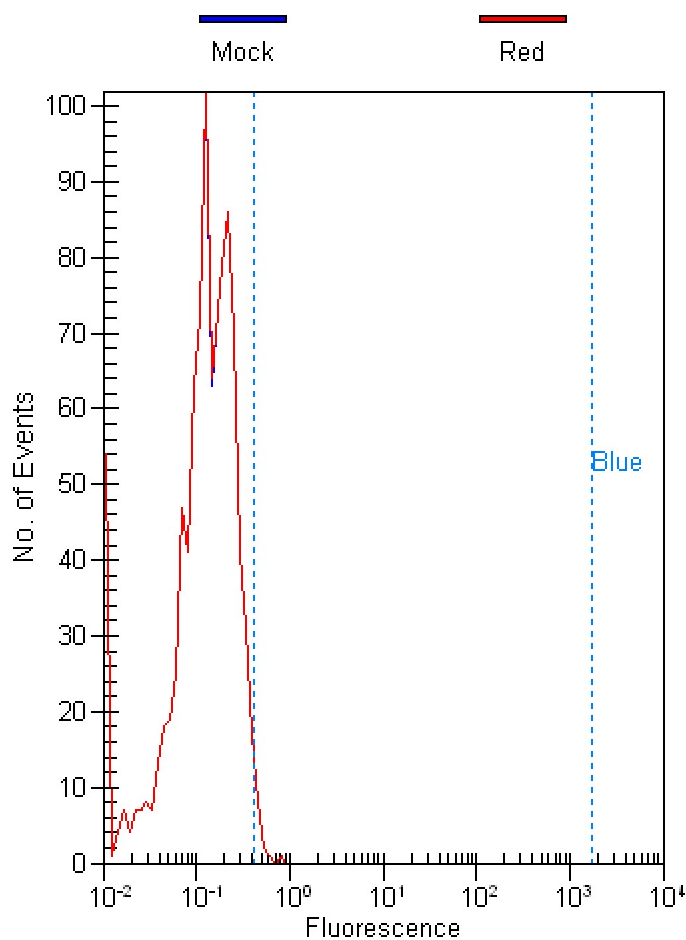
				<u>EGFP</u>							
Region	XMean	YMean	#Events	%Total	% of gated	StdDevX	StdDevY	CV%X	CV%Y	X GMean	Y GMean
All Events	6.93	8.53	995	100.00	N/A	22.36	11.88	322.82	139.26	0.51	5.77
Region 1	18.30	11.62	371	37.30	37.40	33.66	17.61	183.98	151.46	5.07	6.89

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Histogram Summary

Mock



Histogram statistics for sample 1 :

Mock -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.86	969	100.00	N/A	0.15	0.10	65.11	0.11
Gated by Red	0.01	0.86	969	100.00	N/A	0.15	0.10	65.08	0.11
Blue on all events	0.42	1754.75	12	1.20	N/A	0.50	0.12	23.98	0.49
Blue on subset	0.42	1754.75	12	1.20	1.20	0.50	0.12	23.98	0.49

Histogram statistics for sample 1 :

Mock -

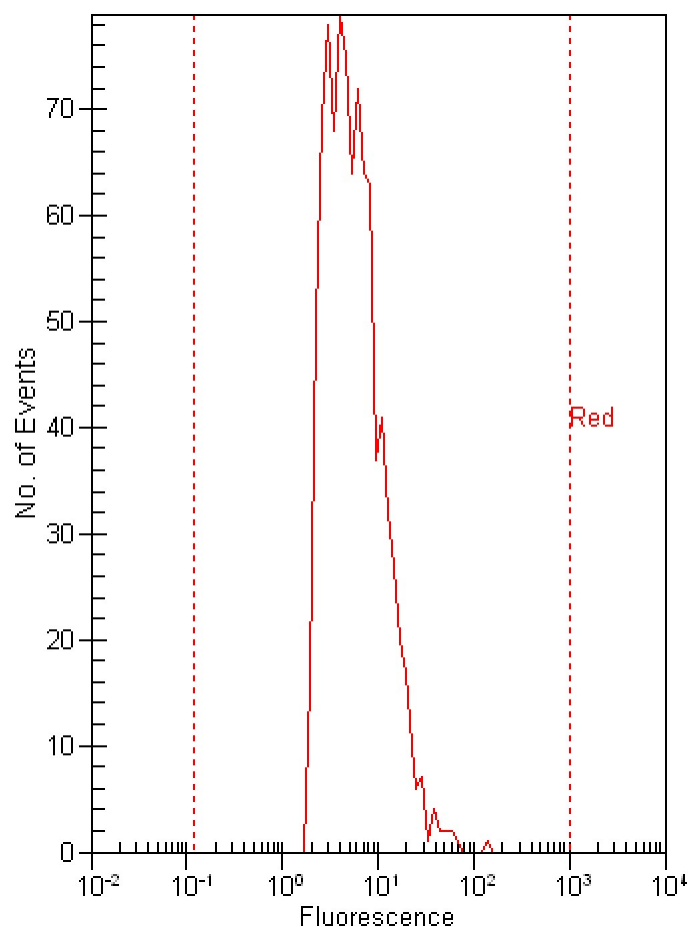
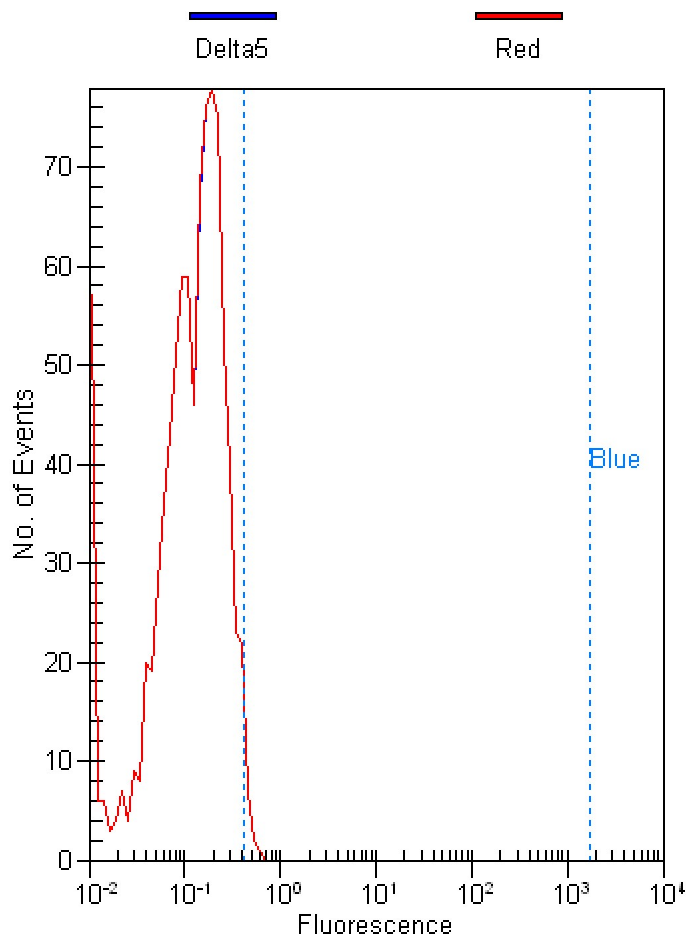
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.00	91.75	969	100.00	N/A	9.63	10.64	110.50	6.68
Red on all events	0.12	1033.93	969	100.00	N/A	9.64	10.64	110.40	6.68

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Histogram Summary Continued ...

Delta5



Histogram statistics for sample 2 :

Delta5 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.57	909	100.00	N/A	0.14	0.10	68.01	0.11
Gated by Red	0.01	0.57	909	100.00	N/A	0.14	0.10	67.97	0.11
Blue on all events	0.42	1754.75	10	1.10	N/A	0.47	0.04	8.88	0.47
Blue on subset	0.42	1754.75	10	1.10	1.10	0.47	0.04	8.88	0.47

Histogram statistics for sample 2 :

Delta5 -

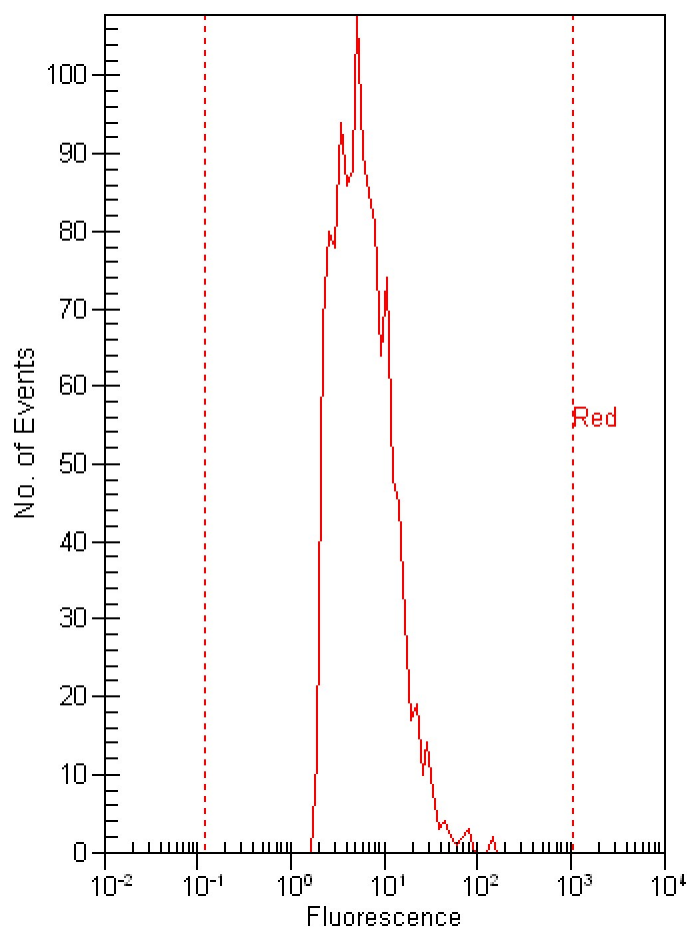
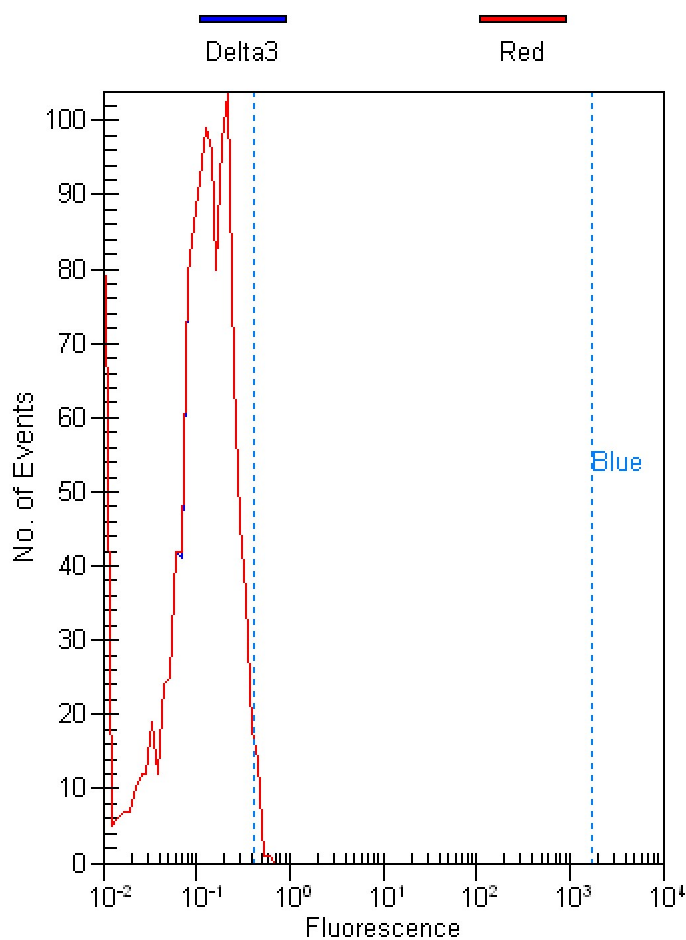
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	1.94	146.58	909	100.00	N/A	7.36	8.32	113.18	5.57
Red on all events	0.12	1033.93	909	100.00	N/A	7.36	8.32	113.08	5.57

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Histogram Summary Continued ...

Delta3



Histogram statistics for sample 3 :

Delta3 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	0.63	1,217	100.00	N/A	0.14	0.10	67.45	0.10
Gated by Red	0.01	0.63	1,217	100.00	N/A	0.14	0.10	67.47	0.10
Blue on all events	0.42	1754.75	17	1.40	N/A	0.46	0.05	11.32	0.45
Blue on subset	0.42	1754.75	17	1.40	1.40	0.46	0.05	11.32	0.45

Histogram statistics for sample 3 :

Delta3 -

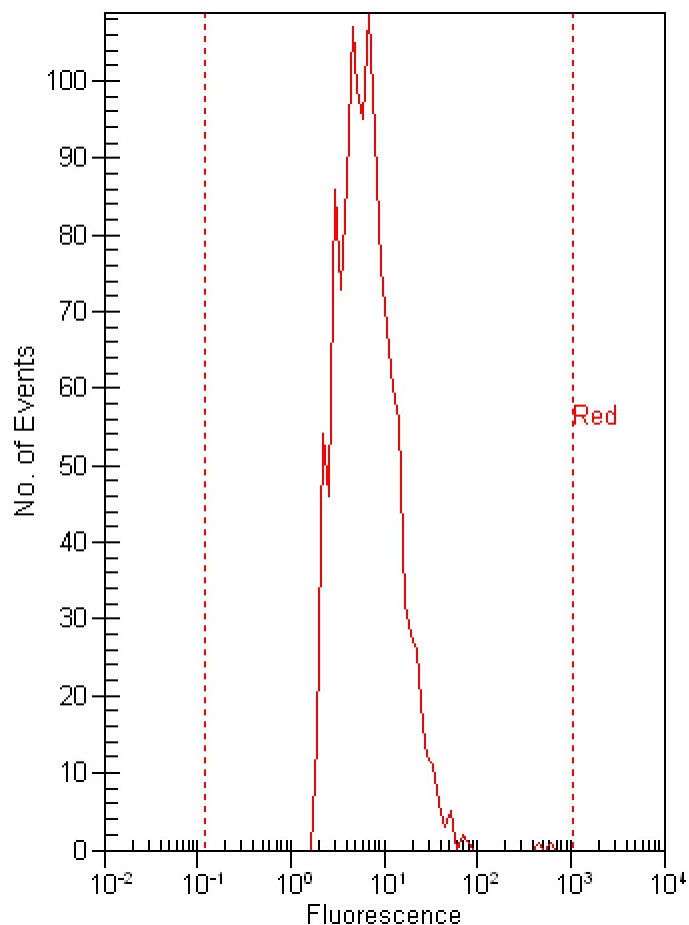
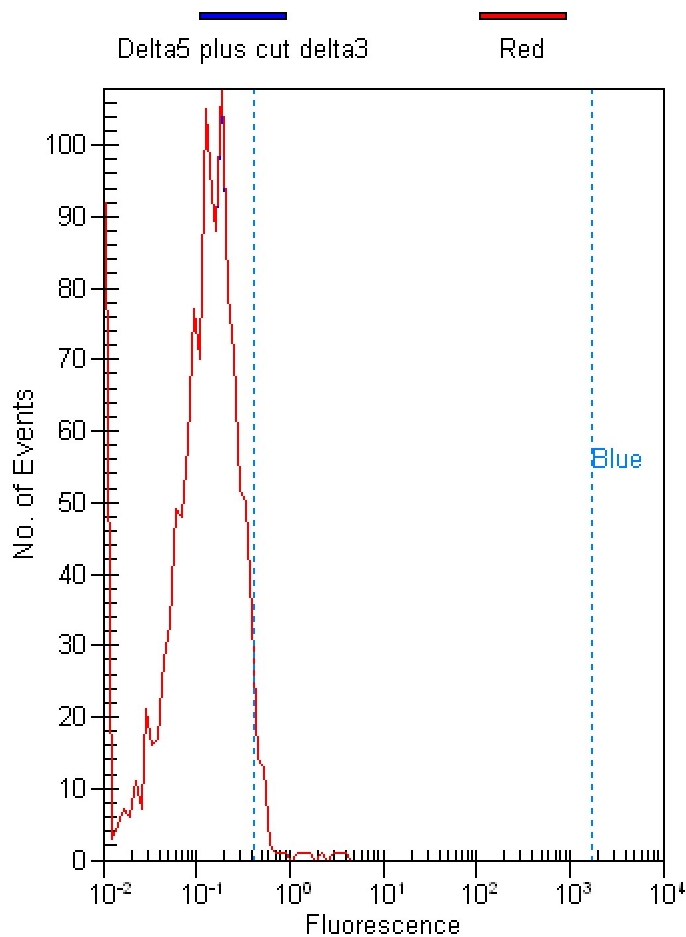
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	2.01	139.59	1,217	100.00	N/A	8.20	9.55	116.53	6.08
Red on all events	0.12	1033.93	1,217	100.00	N/A	8.20	9.55	116.47	6.08

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Histogram Summary Continued ...

Delta5 plus cut delta3



Histogram statistics for sample 4 :

Delta5 plus cut delta3 -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	3.69	1,268	100.00	N/A	0.16	0.21	128.59	0.11
Gated by Red	0.01	3.69	1,268	100.00	N/A	0.16	0.21	128.52	0.11
Blue on all events	0.42	1754.75	39	3.10	N/A	0.86	0.82	95.20	0.67
Blue on subset	0.42	1754.75	39	3.10	3.10	0.86	0.82	95.20	0.67

Histogram statistics for sample 4 :

Delta5 plus cut delta3 -

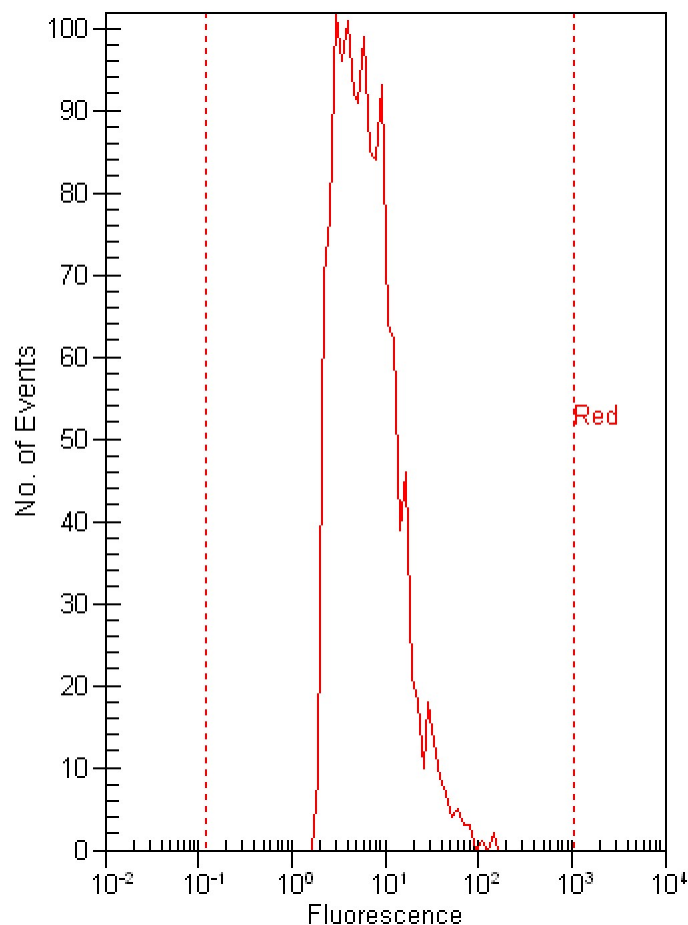
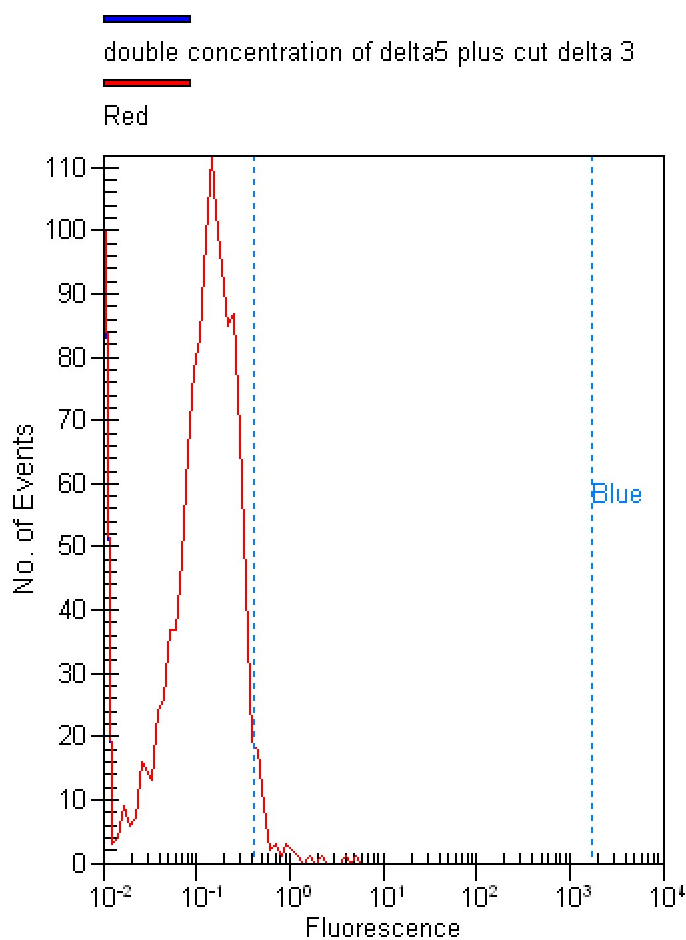
Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	1.99	619.34	1,268	100.00	N/A	9.39	22.56	240.36	6.61
Red on all events	0.12	1033.93	1,268	100.00	N/A	9.38	22.55	240.34	6.61

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Histogram Summary Continued ...

double concentration of delta5 plus cut delta 3



Histogram statistics for sample 5 :

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	5.12	1,325	100.00	N/A	0.16	0.23	137.75	0.11
Gated by Red	0.01	5.12	1,325	100.00	N/A	0.16	0.23	137.82	0.11
Blue on all events	0.42	1754.75	44	3.30	N/A	0.83	0.91	108.65	0.65
Blue on subset	0.42	1754.75	44	3.30	3.30	0.83	0.91	108.65	0.65

double concentration of delta5 plus cut delta 3 -

Histogram statistics for sample 5 :

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	1.98	148.32	1,325	100.00	N/A	8.95	11.02	123.19	6.36
Red on all events	0.12	1033.93	1,325	100.00	N/A	8.94	11.02	123.19	6.36

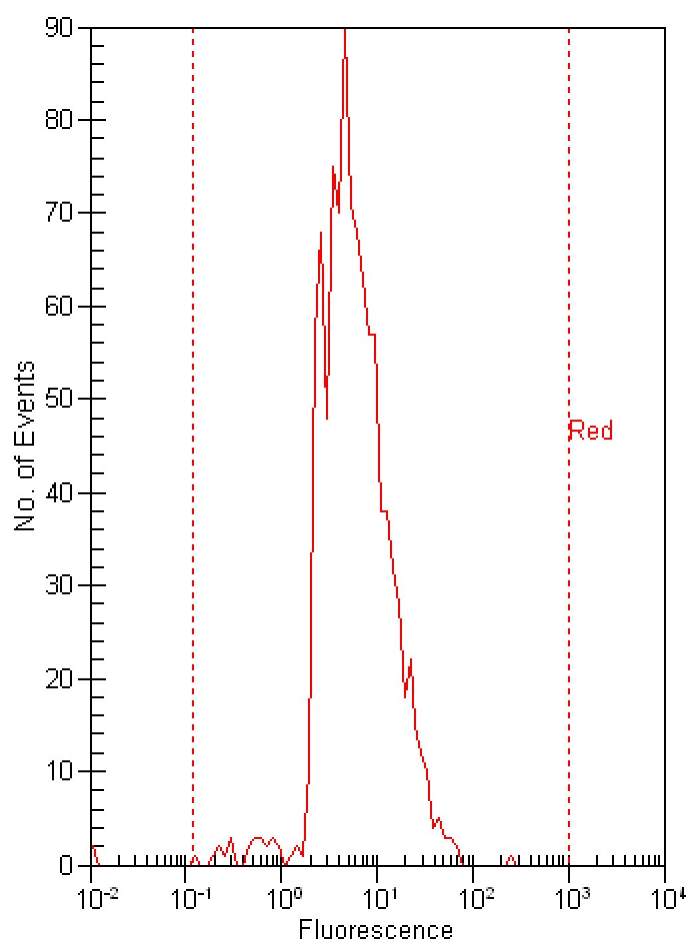
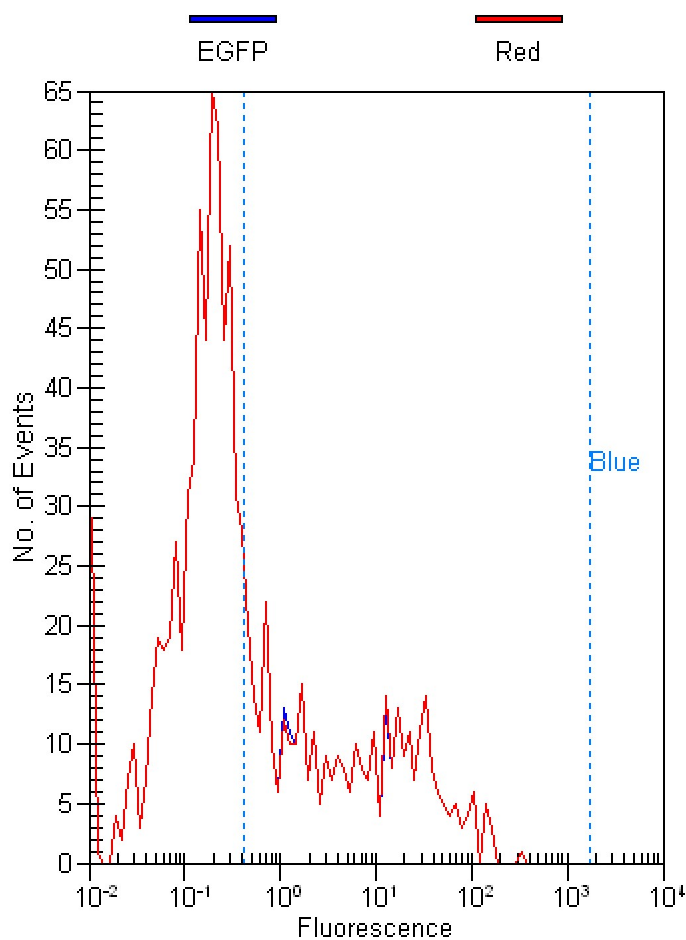
double concentration of delta5 plus cut delta 3 -

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Histogram Summary Continued ...

EGFP



Histogram statistics for sample 6 :

EGFP -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	332.13	995	100.00	N/A	6.93	22.36	322.82	0.51
Gated by Red	0.01	332.13	993	99.80	N/A	6.94	22.37	322.21	0.51
Blue on all events	0.42	1754.75	373	37.50	N/A	18.20	33.59	184.54	5.03
Blue on subset	0.42	1754.75	371	37.30	37.40	18.30	33.66	183.98	5.07

Histogram statistics for sample 6 :

EGFP -

Marker	Min	Max	#Events	%Total	% of gated	Mean	StdDev	CV%	GMean
All Events	0.01	268.96	995	100.00	N/A	8.53	11.88	139.26	5.77
Red on all events	0.12	1033.93	993	99.80	N/A	8.55	11.88	138.98	5.85

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Run Logbook

Description	Number	Source	Category	Sub Category	Time Stamp	Time Zone	User	Host
Run ended on port 1 (Number of wells acquired: 6)		Instrument	Run		10/7/2010 4:08:59 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Run started on port 1 (File: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\Data\2010-10-07\2100 expert_Red to Blue_DE72905360_2010-10-07_15-42-33.xad)		Instrument	Run		10/7/2010 3:42:38 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Product Number : G2938C		Instrument	Run		10/7/2010 3:42:38 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Name :		Instrument	Run		10/7/2010 3:42:38 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Vendor : Agilent Technologies		Instrument	Run		10/7/2010 3:42:38 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Serial# : DE72905360		Instrument	Run		10/7/2010 3:42:38 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Firmware : C.01.069		Instrument	Run		10/7/2010 3:42:38 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01
Cartridge : Pressure		Instrument	Run		10/7/2010 3:42:38 PM	(GMT --04:00) Eastern Standard Time	Administrator	DATASYSTEM01